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**A SELECTED BIBLIOGRAPHY ON
MANAGEMENT OF WESTERN RANGES
LIVESTOCK, AND WILDLIFE**

By

F. G. RENNER, Range Examiner

with the assistance of

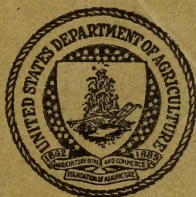
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“THE handmaiden of all modern research is bibliography, and like the domestic variety it can range from the heights of the superlative ‘treasure’ to the slatternly depths of inefficiency. At its best the service it gives is incalculable, and even at its worst it is capable of some small assistance. Good research work can only be built upon the foundations laid by previous workers, and without the aid of bibliography the student is lost. He cannot know where to begin his investigations and can but grope blindly, conscious of only what is immediately to hand and ignorant of all around him and all that has gone before. Without bibliographical aid his search for reference is inevitably imperfect and the results of his investigations will reflect these imperfections.”

American Museum of Natural History.

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FOREWORD

This bibliography was designed to bring together the more important references to publications relating directly to western grazing lands, the domestic livestock and wildlife produced thereon, and the management of these lands, livestock and wildlife in the 17 Western States and Alaska, which comprise the range country, excluding eastern Texas and eastern Oklahoma. Published reports on work in other regions, especially the eastern part of the United States, have not been included unless applicable to western range problems. Only those local publications of real value have been included; abstracts, brief general notes, obsolete bulletins, mimeographed material, indefinite preliminary reports, etc., have been excluded insofar as possible, unless they contain a definite, valuable piece of information. Publications on hogs and dairy cattle have not been retained because of their minor importance on western ranges. Foreign references, other than those especially important Canadian and English publications which deal with our western range problems, have been excluded except in the case of a few references of very great general value. An explanatory note has been appended to each such foreign reference which has been included. The bibliography is believed to be reasonably complete through 1933 for the publications of the Federal Government, the State agricultural experiment stations, articles in the more important popular magazines and scientific journals, and text and other books. Some of the more important references published from 1934 to 1937 have also been included.

In general, the headings indicate the character of the references included in each section. However, to facilitate the location of border-line references, each heading has been distinctly defined as to the scope of material included therein. Cross references are listed at the end of each section.

The classification scheme used in this bibliography is a revision and amplification of C. L. Forsling's grazing section of *A Classification of Forestry Literature*, published in the *Journal of Forestry*, February 1923. The main headings of this revised scheme were first published in 1926 as a part of the *Extension Service Handbook on Agriculture and Home Economics*.

Titles of periodicals are abbreviated according to the list in *Department Bulletin 1330, Abbreviations Employed in Experiment Station Record for Titles of Periodicals*, published in 1925.

The author wishes to thank those members of other bureaus in the Department of Agriculture who reviewed and offered many helpful suggestions on certain sections. Grateful acknowledgment is made to those members of the Forest Service who gave valuable assistance in the preparation of the manuscript, particularly to W. R. Chapline, Chief of the Division of Range Research, whose continuous advice and suggestions, especially as to organization and selection of material, were invaluable. Acknowledgment is also due to the late Mrs. Virginia Gassaway and to Miss Margaret F. Call for their very considerable assistance.

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A SELECTED BIBLIOGRAPHY ON
MANAGEMENT OF WESTERN RANGES,
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By F. G. RENNER, *range examiner*,¹ with the assistance of EDWARD C. CRAFTS, *assistant forest ecologist*, THEO C. HARTMAN, *library assistant*, and LINCOLN ELLISON, *associate range examiner*, *Division of Range Research, Forest Service*

RANGE PLANTS

Publications treating of the broad general phases of range vegetation; works covering a variety of range forage topics and grazing regions which if located under the various detailed headings would require overextensive cross-indexing; semipopular articles on western plants; and other pertinent material which cannot properly be located elsewhere.

ARBER, A. (1)
THE GRAMINEAE: A STUDY OF CEREAL, BAMBOO, AND GRASS. 480 pp., illus.
Cambridge. 1934.

ARMER, L. A. (2)
CACTUS. 102 pp., illus. New York. 1934.

ASHTON, R. E. (3)
PLANTS OF ROCKY MOUNTAIN NATIONAL PARK. U. S. Natl. Park Serv., 157
pp., illus. 1933.

ATWOOD, A. C. (4)
DESCRIPTION OF THE COMPREHENSIVE CATALOGUE OF BOTANICAL LITERATURE
IN THE LIBRARIES OF WASHINGTON. U. S. Bur. Plant Indus. Circ. 87,
7 pp. 1911.

BEWS, J. W. (5)
THE WORLD'S GRASSES, THEIR DIFFERENCES, DISTRIBUTION, ECONOMICS, AND
ECOLOGY. 408 pp., illus. New York and London. 1929.

CLEMENTS, F. E., SHOWALTER, W. J., and CLEMENTS, E. S. (6)
THE FAMILY TREE OF THE FLOWERS: WILD FLOWERS OF THE WEST. Natl.
Geogr. Mag. 51: 554-622, illus. 1927.

COULTER, M. C. (7)
THE STORY OF THE PLANT KINGDOM. 270 pp., illus. Chicago. 1935.

DAYTON, W. A. (8),
FLOWERS OF THE HIGH PLACES. Amer. Forests and Forest Life 30: 486-489
548-551, 564, illus. 1924.

— (9),
IMPORTANT WESTERN BROWSE PLANTS. U. S. Dept. Agr. Misc. Pub. 101
214 pp., illus. 1931.

— AND OTHERS. (10)
RANGE PLANT HANDBOOK. v. p., illus. Washington, D. C. 1937.

GRAND CANYON NATURAL HISTORY ASSOCIATION. (11)
CHECK-LIST OF PLANTS OF GRAND CANYON NATIONAL PARK. Nat. Hist.
Bull. 6, 75 pp. 1936.

¹ Now senior soil conservationist, U. S. Soil Conservation Service.

- HALPERIN, M. (12)
GRASSES AND MAN. *Sci. Monthly* 36: 258-262. 1933.
- HASKIN, L. L. (13)
WILD FLOWERS OF THE PACIFIC COAST . . . 407 pp., illus. Portland, Oreg. 1934.
- HIGGINS, V. (14)
THE STUDY OF CACTI. 164 pp., illus. London. 1933.
- HITCHCOCK, A. S. (15)
GRASSES, WHAT THEY ARE AND WHERE THEY LIVE. *Smithsn. Inst. Ann. Rept.* 1933-34: 297-312, illus. 1935.
- and CHASE, A. (16)
GRASS. *Smithsn. Sci. Ser.* 11: 201-250, illus. 1931.
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THE BOTANICAL EXPLORERS OF CALIFORNIA. VII-VIII. *Madroño* 2: 25-29, 83-88, illus. 1931-33.
Pt. VII: Joseph Cook Nevin, William Hillman Shockley, Charles Austin Stivers, Lucia A. Summers. Pt. VIII. William G. W. Harford, Thomas Bridges.
- MCDUGALL, W. B., and BAGGLEY, H. A. (18)
PLANTS OF YELLOWSTONE NATIONAL PARK. *U. S. Natl. Park Serv.*, 160 pp., illus. 1936.
- MAKINS, F. K. (19)
THE IDENTIFICATION OF TREES AND SHRUBS . . . 326 pp., illus. New York. 1936.
- NICHOL, A. A. (20)
THE NATURAL VEGETATION OF ARIZONA. *Ariz. Agr. Expt. Sta. Tech. Bull.* 68, pp. 181-222, illus. 1937.
- PIPER, C. V. (21)
FORAGE PLANTS AND THEIR CULTURE. Rev. ed., 671 pp., illus. New York. 1928.
- SAMPSON, A. W. (22)
NATIVE AMERICAN FORAGE PLANTS. 435 pp., illus. New York. 1924.
- SCHOTH, H. A., and HALPERIN, M. (23)
THE DISTRIBUTION AND ADAPTION OF *POA BULBOSA* IN THE UNITED STATES AND IN FOREIGN COUNTRIES. *Jour. Amer. Soc. Agron.* 24: 786-793. 1932.
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THE CACTUS AND ITS HOME. 195 pp., illus. Baltimore. 1931.
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NOTES ON NATIONAL FOREST RANGE PLANTS. PART I. GRASSES. *U. S. Forest Serv.*, Office of Grazing Studies, 224 pp. 1914.
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DEATH VALLEY NATIONAL MONUMENT. *U. S. Natl. Park Serv.*, 31 pp., illus. 1935.
- VASEY, G. (27)
THE AGRICULTURAL GRASSES AND FORAGE PLANTS OF THE UNITED STATES, AND SUCH FOREIGN KINDS AS HAVE BEEN INTRODUCED, WITH AN APPENDIX ON THE CHEMICAL COMPOSITION OF GRASSES, BY CLIFFORD RICHARDSON AND A GLOSSARY OF TERMS USED IN DESCRIBING GRASSES. *U. S. Dept. Agr. Rept.* 32, rev., 148 pp., illus. 1889.
- WESTOVER, H. L. (28)
CRESTED WHEATGRASS. *U. S. Dept. Agr. Leaflet* 104, 8 pp., illus. 1934.
- WHITEHOUSE, E. (29)
TEXAS FLOWERS IN NATURAL COLORS . . . 212 pp., illus. Austin, Tex. 1936.
See also Hadwen and others (2752), Hitchcock (541, 543, 549, 550), Mc-Ardle and others (2678, 2679), Piper and others (4331), Rockwell (8263), Sampson (908, 910, 2690), Saunders (8265), Semple and others (2693), Thornber (2702), and Vasey (8227).

SYSTEMATIC BOTANY (TAXONOMY)

Textbooks of systematic botany; keys and identification helps of a broad general nature; botanical literature, mainly systematic, not classifiable elsewhere; botanical expeditions; accounts of large herbaria; discussions of the importance of taxonomy and of plant variability.

BESSEY, C. E. (30)
THE LITERATURE OF NORTH AMERICAN SYSTEMATIC BOTANY. Nebr. Univ. Forest Club Ann. 5: 62-70. 1913.

BLAKE, S. F. (31)
FURTHER NEW OR NOTEWORTHY COMPOSITAE. Harvard Univ. Contrib. Gray Herbarium (n. s.) 53: 23-30. 1918.

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NINE NEW AMERICAN ASTERACEAE. Jour. Wash. Acad. Sci. 21 (14): 325-336. 1931.

COPPLE, R. F., and ALDOUS, A. E. (33)
THE IDENTIFICATION OF CERTAIN NATIVE AND NATURALIZED GRASSES BY THEIR VEGETATIVE CHARACTERS. Kans. Agr. Expt. Sta. Tech. Bull. 32, 73 pp., illus. 1932.

DAGLISH, E. F. (34)
HOW TO SEE PLANTS. 122 pp., illus. New York. 1932.

DAYTON, W. A. (35)
NEW NAMES FOR SOME WESTERN MONTANE PLANTS. Biol. Soc. Wash. Proc. 40: 119-122. 1927.

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WHAT IS AGOSERIS APICULATA GREENE? Biol. Soc. Wash. Proc. 41: 17-20, illus. 1928.

DOUGLAS, D. (37)
A SKETCH OF A JOURNEY TO THE NORTHWESTERN PARTS OF THE CONTINENT OF NORTH AMERICA, DURING THE YEARS 1824-1827. In Hooker, W. J., Companion to Botanical Magazine V. 2, pp. 83-140. London. 1836.

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JOURNAL KEPT BY DAVID DOUGLAS DURING HIS TRAVELS IN NORTH AMERICA, 1823-27. 364 pp., illus. London. 1914.

ERLANSOHN, E. W. (39)
EXPERIMENTAL DATA FOR A REVISION OF THE NORTH AMERICAN WILD ROSES. Bot. Gaz. 96: 197-259, illus. 1934.

FEATHERLY, H. I. (40)
A NEW SPECIES OF GRAMA GRASS. Bot. Gaz. 91: 103-105, illus. 1931.

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TAXONOMY AS A FUNDAMENTAL FACTOR IN BOTANICAL RESEARCH. Science 79 (n. s.): 407-408. 1934.

HITCHCOCK, C. L. (47)
A KEY TO THE GRASSES OF MONTANA BASED UPON VEGETATIVE CHARACTERS. 28 pp., illus. St. Louis, etc. [1936]. [Planographed.]

LINNEAEUS, C. (48)
SPECIES PLANTARUM. t. 2. Holmiae. 1753.

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- MOTTIER, D. M. (49)
A TEXTBOOK OF BOTANY FOR COLLEGE STUDENTS; BEING A REVISION AND AMPLIFICATION OF "A COLLEGE TEXTBOOK OF BOTANY FOR FIRST YEAR STUDENTS" 691 pp., illus. Philadelphia. 1932.
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THE IDENTIFICATION OF GRASSES ON THE UPPER SNAKE RIVER PLAINS BY THEIR VEGETATIVE CHARACTERS. Ecology 17: 479-490, illus. 1936.
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STUDIES IN THE GENUS LUPINUS. XI. SOME NEW NAMES AND COMBINATIONS. Bull. Torrey Bot. Club 51: 303-310. 1924.
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TIDESTROMIA, A NEW GENERIC NAME. Jour. Wash. Acad. Sci. 6: 69-70. 1916.
- SWINGLE, D. B. (57)
A TEXTBOOK OF SYSTEMATIC BOTANY. 254 pp., illus. London, New York. 1928.
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TERMINOLOGY

Publications treating of the names of the organs, functions, and processes of range plants, and all other technical terms of range botany excluding nomenclature, and ecological terms.

- ARTSCHWAGER, E., and SMILEY, E. M. (58)
DICTIONARY OF BOTANICAL EQUIVALENTS. GERMAN-ENGLISH, DUTCH-ENGLISH, ITALIAN-ENGLISH. 124 pp. Baltimore. 1925.
- BALL, C. R., and PIPER, C. V. (59)
CONTRIBUTIONS TO AGRONOMIC TERMINOLOGY. parts 1-4. Jour. Amer. Soc. Agron. 8: 1-9, 197-204, 228-237, 310-315. 1916.
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- GLEASON, H. A. (62)
THE PRONUNCIATION OF BOTANICAL NAMES. Torreyia 32 (3): 53-58. 1932.
- GRAY, A. (63)
FIRST LESSONS IN BOTANY AND VEGETABLE PHYSIOLOGY, TO WHICH IS ADDED A COPIOUS GLOSSARY, OR DICTIONARY OF BOTANICAL TERMS. Ed. 4, 606 pp., illus. New York and Chicago. 1865.
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A DICTIONARY OF SCIENTIFIC TERMS. PRONUNCIATION, DERIVATION, AND DEFINITION OF TERMS IN BIOLOGY, BOTANY, ZOOLOGY, ANATOMY, CYTOLOGY, EMBRYOLOGY, PHYSIOLOGY. 352 pp. New York. 1929.
- JACKSON, B. D. (65)
A GLOSSARY OF BOTANIC TERMS WITH THEIR DERIVATION AND ACCENT. Ed. 4, 481 pp. Philadelphia. 1928.
- JAEGER, E. C. (66)
A DICTIONARY OF GREEK AND LATIN COMBINING FORMS USED IN ZOOLOGICAL NAMES. 101 pp. Riverside, Calif. 1930.

NOMENCLATURE

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ANONYMOUS. (67)
CODES OF BOTANICAL NOMENCLATURE [AMERICAN]. Bull. Torrey Bot. Club
31: 249-261. 1904.

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81 (33): 11, 18. 1933.

BRITTON, N. L. (75)
THE TAXONOMIC ASPECT OF THE SPECIES QUESTION. Amer. Nat. 42: 225-242.
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CHASE, A. (76)
SOME CAUSES OF CONFUSION IN PLANT NAMES. Jour. Forestry 17: 159-162.
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CLEMENTS, F. E. (77)
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86 pp. 1902.

AN ECOLOGIC VIEW OF THE SPECIES CONCEPTION. Amer. Nat. 42: 253-264.
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CLUTE, W. N. (79)
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A series of articles on nomenclature, which in volumes 31-39 inclusive appear under the title "the meaning of plant names", including an introductory article (25: 122-129) and covering Ranunculaceae (26: 2-10); Rosaceae (26: 57-61, 90-94, 116-124); Liliaceae (27: 18-23, 50-56, 88-95); Leguminosae (27: 129-134; 28: 27-35, 70-77); Labiatae (28: 115-123, 145-153); Scrophulariaceae (29: 18-23, 60-67); the Cruciferae (29: 101-107, 149-156); Ericaceae (30: 5-14, 54-63); Malvaceae (30: 103-109); Orchidaceae (30: 145-153); Solanaceae (31: 8-19); Rubiaceae (31: 55-61); Caprifoliaceae (31: 100-109); Gentianaceae (31: 144-149); Saxifragaceae (32: 11-18); Caryophyllaceae (32: 52-55, 97-105); Boraginaceae (32: 148-151); Polemoniaceae (33: 10-14); the borageworts (33: 55-60); Verbenaceae (33: 111-114); the Compositae (33: 157-160); Cichoriaceae (34: 5-9, 49-55); Asteraceae (34: 95-101, 144-151; 35: 8-12); the everlastings (35: 56-61); the sunflowers (35: 103-109); chamomile yarrow and wormwood (35: 144-151); the bonesets (36: 11-16); the thistles (36: 72-76); coneflowers and fleabanes (36: 129-133); autumn composites (36: 188-192); certain weedy composites (37: 7-12); some early flowering composites (37: 54-58); senecios and others (37: 105-109); dogbanes and milkweeds (37: 152-157); the bindweeds (38: 18-23); the evening primrose family (38: 66-74); the loosestrifes (38: 132-135); opulaster, mezereum, and leatherwood (38: 178-183); the cornels and dogwoods (39: 64-71); spikenards and ginsengs (39: 15-20); the spurge (39: 106-113); the umbellifers (39: 155-159).

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WHAT IS A SPECIES? *Torreyana* 32 (4): 95-96. 1932.
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THE TERM "RANGE WEED" AS USED BY WESTERN STOCKMEN AND THE U. S. FOREST SERVICE. *Jour. Amer. Soc. Agron.* 28: 327-328. 1936.
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THE MUTATION THEORY AND THE SPECIES-CONCEPT. *Amer. Nat.* 51: 577-595. 1917.
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LATIN AS THE LANGUAGE OF BOTANICAL DIAGNOSIS. *Science* (n. s.) 2: 338-340. 1905.
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SIGNIFICANCE OF TAXONOMIC UNITS AND THEIR NATURAL BASIS. *Internatl. Cong. Plant Sci. Proc.* (1926) 2: 1571-1574, illus. 1929.
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THE TAXONOMIC TREATMENT OF UNITS SMALLER THAN SPECIES. *Internatl. Cong. Plant Sci. Proc.* (1926) 2: 1461-1468, illus. 1929.
- HANSON, H. C. (92)
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THE SPECIES CONCEPT FROM THE POINT OF VIEW OF A MORPHOLOGIST. *Amer. Jour. Bot.* 10: 229-233. 1923.
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A BASIS FOR AGREEMENT ON NOMENCLATURE AT THE ITHACA CONGRESS. *Amer. Jour. Bot.* 13: 291-300. 1926.
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THE RELATION OF NOMENCLATURE TO TAXONOMY. *Internatl. Cong. Plant Sci. Proc.* (1926) 2: 1434-1439. 1929.
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HORSES AND MULES (PLANTS POISONOUS TO)

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SYSTEMS OF CLASSIFICATION

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ADAPTABILITY OF RANGE TO DIFFERENT CLASSES OF STOCK

Publications treating of the principles of determining the suitability and adaptability of various types of western livestock ranges to different classes of stock; the practical application of suitability principles as a means of complete range utilization without a reduction in range productivity; and the effect which various factors have in influencing the adaptability of ranges to different classes of stock excluding the factors of timber growth and reproduction, and game.

See sections Forest Growth and Reproduction, and Game for the effect of these last-named factors on range adaptability.

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GRAZING CAPACITY

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SYSTEMS OF FORAGE MANAGEMENT

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DISTRIBUTION AND CONTROL OF LIVESTOCK

Publications treating of the principles and methods of correct distribution and control of the different classes of livestock on western ranges, and the practical application of these principles and methods to secure complete range utilization without a reduction in the productive capacity of the ranges.

This section includes references on the salting of range livestock. *See* Handling and Raising Livestock for closely related references.

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RANGE DEVELOPMENT

Publications treating in a general way of developments and improvements on western grazing lands and livestock ranges; and works which if located under individual range development subheadings would require over-extensive cross-indexing.

See section Range and Livestock Economics for the cost of range developments of any and all kinds.

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GRASS LAND: ITS MANAGEMENT AND IMPROVEMENT. 159 pp., illus. New
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IMPROVEMENT OF GRASS LAND. U. S. Dept. Agr. Farmers' Bull. 276; 18-20.
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- WILLIAMS, T. A. (2866)
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Agr., Div. Agrostology Circ. 4, 4 pp., illus. 1896. (Revised 1897.)
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THE RENEWING OF WORN-OUT NATIVE PRAIRIE PASTURES. Nebr. State Bd.
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NATURAL REVEGETATION

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RANGE LIVESTOCK MANAGEMENT

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EROSION

Publications treating generally or specifically of the kinds of soil erosion, their effects and control, and material relating thereto, on western grazing lands and livestock ranges, including discussions of the differences in plant growth on eroded and uneroded soils, but excluding discussions of rodent-soil relationships.

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LAND UTILIZATION

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PUBLIC LAND ADMINISTRATION

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NATIONAL FOREST ADMINISTRATION

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See section Land Settlement for publications on this last named topic.

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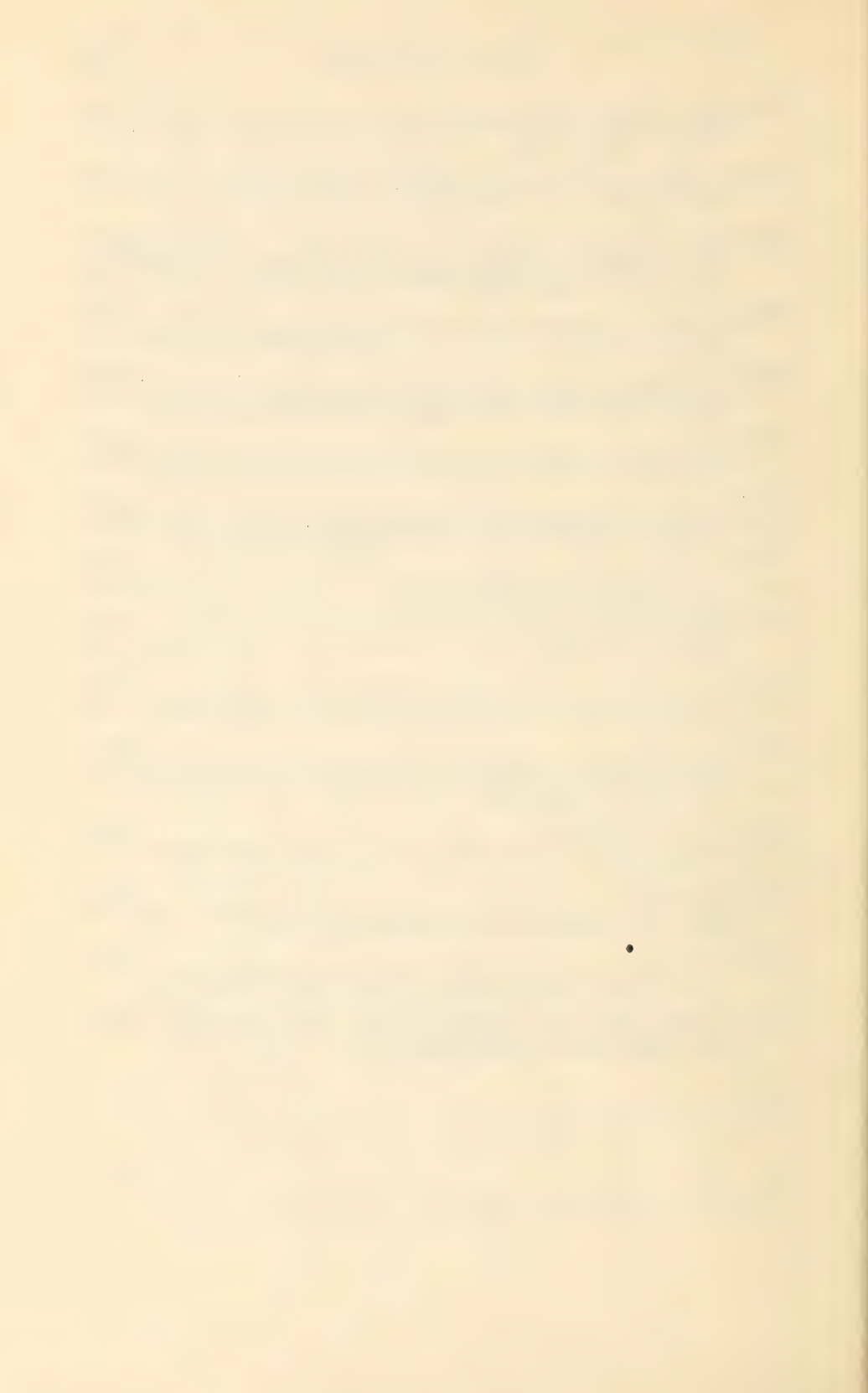
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